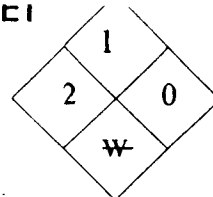


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**SECTION I. GENERAL INFORMATION**

PRODUCT NAME (NUMBER) Uni-Core Leak-Pruf Acid Solder

CHEMICAL FAMILY Spooled core wire solder  
D.O.T. HAZARD CLASS Not regulated**SECTION II. HAZARDOUS INGREDIENTS**

INGREDIENTS	CAS NUMBER	WEIGHT PERCENT	OSHA PEL	ACGIH TLV
Lead } Product contains	7439-92-1	*	0.05 mg/cum	0.15 mg/cum
Tin } one or more of	7440-31-5	*	2.0 mg/cum	2.0 mg/cum
Silver } these metallic	7440-22-4	*	0.01 mg/cum	0.1 mg/cum
Bismuth } elements in	7440-69-9	*	NE	NE
Antimony } varying	7440-36-0	*	0.5 mg/cum	0.5 mg/cum
Indium } percentages.	7440-74-6	*	NE	0.1 mg/cum
Ammonium Chloride (Fume)	12125-02-9	<1.0	NE	10mg/cum

\*WEIGHT PERCENT: Composition of solder alloys vary widely therefore no weight percent or specific gravity is given. (See product label for composition.)

**SECTION III. PHYSICAL DATA**

(PUBLISHED OR ESTIMATED VALUES)

BOILING POINT Deg F.	NA	SPECIFIC GRAVITY	NA
(760 mm Hg)		(H <sub>2</sub> O=1) (@ 77 deg F)	
VAPOR PRESSURE	NA	% VOLATILE BY WEIGHT	NA
(mm Hg at 20 Deg. C.)		EVAPORATION RATE	NA
VAPOR DENSITY (AIR=1)	NA	(BUAC=1)	
SOLUBILITY IN WATER	Insoluble	pH	NA
APPEARANCE AND ODOR	Silver-gray metal wire, odorless, various shapes and sizes.		

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

ESTIMATED FLAMMABLE LIMITS (% By Volume in Air) LEL: NA UEL: NA

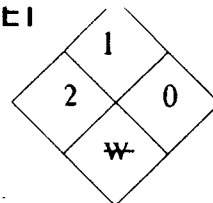
FLASH POINT Deg F. NA

EXTINGUISHING MEDIA NA

SPECIAL FIRE FIGHTING PROCEDURES Use NIOSH approved self-contained breathing apparatus and full protective clothing if involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARD When heated to high temperatures, lead emits highly toxic fumes.

NA - NOT APPLICABLE NE - NOT ESTABLISHED NL - NOT LISTED UN - UNKNOWN



## Uni-Core Leak-Pruf Acid Solder

**SECTION V.(A) HEALTH HAZARD DATA** (Symptoms/Effects Of Overexposure)

**INHALATION:** When heated to molten state flux fume may cause respiratory irritation. For overexposure to lead, tin, bismuth, antimony and indium fume at soldering temperatures see Section X.

**INGESTION:** NOT likely to occur.

**SKIN:** Molten core solder will cause burns.

**EYES:** Molten core flux will cause eye burns. Flux fume can cause eye irritation.

**TOXICITY:** See Section X.

**LISTED CARCINOGENS:** None.

**SECTION V.(B) HEALTH HAZARD DATA** (Emergency and First Aid Procedures)

**INHALATION** If flux fume is inhaled when wire is heated to soldering temperatures, remove individual to fresh air. If breathing is difficult administer oxygen and consult a physician.

**INGESTION** Call physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**SKIN CONTACT** For burns cool with water and obtain medical aid.

**EYE CONTACT** For burns flush immediately with cool water and obtain medical aid. For fume irritation remove individual from exposure.

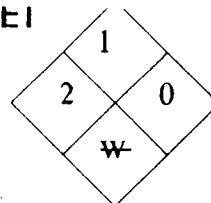
**SECTION VI. REACTIVITY DATA**

**STABILITY** CONDITIONS None  
**STABLE:** X **UNSTABLE:** TO AVOID

**INCOMPATABILITY** Oxidizing materials, strong acids.  
(Materials to Avoid)

**HAZARDOUS DECOMPOSITION PRODUCTS** See Section X.

**HAZARDOUS POLYMERIZATION** CONDITIONS None  
**WILL OCCUR:** WILL NOT OCCUR: X **TO AVOID**



## Uni-Core Leak-Pruf Acid Solder

**SECTION VII. SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Solid at room temperature. If in molten state allow to cool and solidify. Then scoop up. Flux is water soluble.

**WASTE DISPOSAL** The alloy portion is reclaimable.

Must be in accordance with Federal, State and Local Laws and Regulations

**SECTION VIII. SPECIAL PROTECTION**

**RESPIRATORY** If any threshold limit value is exceeded, use NIOSH/MSHA approved respirator.

**EYEWEAR** When soldering use safety goggles.

**CLOTHING/  
GLOVES** Not usually necessary.

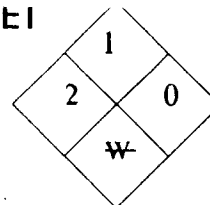
**VENTILATION** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure levels below TLVs.

**SECTION IX. SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

No special requirements for storage. Read all container labeling. Food and drink should not be consumed or tobacco products used, nor cosmetics applied in areas where core solders may be used. Always wash hands after handling core solder and before eating, drinking or smoking.

**OTHER PRECAUTIONS:**

Containers: Since empty containers may retain product residues (vapor, liquid, or solid) all labeled hazard precautions must be observed. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**



## Uni-Core Leak-Pruf Acid Solder

**SECTION X. ADDITIONAL INFORMATION**

**PRODUCT COMPOSITION:** (core wire solder)  
Flux Portion 1-4% Solder Alloy 96-99%

**LEAD TOXICITY:**

Molten solder alloys do not produce significant lead fume below 900 deg F. Exposure to high levels of airborne or ingested lead may produce symptoms of anemia, insomnia, weakness, constipation, nausea and abdominal pain. Prolonged exposure may result in kidney and nervous system involvement. Women of child bearing age should avoid exposure to lead due to post-natal effects.

**TIN, SILVER, BISMUTH, ANTIMONY AND INDIUM TOXICITY:**

Overexposure to these elements is not expected.

**REACTIVITY DATA:** (continued)**HAZARDOUS DECOMPOSITION PRODUCTS:**

The smoke from a soldering operation using this product may contain a trace of Ammonia.

----- **REGULATORY INFORMATION** -----

California State Proposition 65:

"WARNING! This product contains LEAD known to the State of California to cause birth defects or other reproductive harm."

Toxic Substance Control Act (TSCA) Status:

All ingredients of this product are listed on the TSCA inventory.

SARA TITLE III (Section 313):

Components that may be present in this product at a level which could require reporting under the statute are:

Lead - Silver - Antimony

**EMERGENCY TELEPHONE NUMBER****CHEMTREC****1-800-424-9300****DAY OR NIGHT**

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